

10 frames are mutually pivotable and translatable in the said  
main plane along a predetermined pole path fixed by said  
coupling means.

4. (Thrice Amended) The frame as claimed in  
claim [3] 1, wherein the frame moves in accordance with the  
predetermined pole path fixed by the coupling means.

5. (Twice Amended) The frame as claimed in claim  
[3] 4, wherein the pole path is substantially straight.

6. (Twice Amended) The frame as claimed in claim  
[3] 4, wherein the pole path extends substantially  
horizontally.

8. (Twice Amended) The frame as claimed in claim  
[3] 4, wherein at constant relative angular speed of the sub-  
frames the speed of the pole along the pole path increases  
from the starting position to the end position.

Add new claims 19-30 as follows:

--19. A frame for a sporting device for coupling to  
a shoe which frame comprises an upper sub-frame having a first  
rigid link with means for coupling to the shoe to be worn by  
a user, a lower sub-frame having a second rigid link which is  
coupled via a plurality of interconnected links to said first  
rigid link defining a linkage for motion in a main plane and  
upon which wheels or runners may be secured, and resetting

spring means for urging both sub-frames toward each other;  
wherein the sub-frames are mutually pivotable and translatable  
10 relative to one another in the said main plane along a  
predetermined pole path fixed by the linkage.

<sup>19</sup>  
~~20~~. The frame as claimed in claim <sup>18</sup>~~19~~, wherein the  
sub-frames form part of a mechanism comprising at least four  
rods interconnecting said upper sub-frame and said lower sub-  
frame permitting pivotal and translational motion between said  
5 sub-frames.

<sup>20</sup>  
~~21~~. The frame as claimed in claim <sup>18</sup>~~19~~, wherein the  
frame has only one degree of freedom.

<sup>21</sup>  
~~22~~. The frame as claimed in claim <sup>18</sup>~~19~~, wherein the  
frame moves in accordance with the predetermined pole path  
fixed by the coupling means.

<sup>22</sup>  
~~23~~. The frame as claimed in claim <sup>21</sup>~~22~~, wherein the  
pole path is substantially straight.

<sup>23</sup>  
~~24~~. The frame as claimed in claim <sup>21</sup>~~22~~, wherein the  
pole path extends substantially horizontally.

<sup>24</sup>  
~~25~~. The frame as claimed in claim <sup>21</sup>~~22~~, wherein the  
pole path extends between a starting position under the ball  
of the foot of a user in the rest position of the frame, and

an end position under the big toe of the user in the extreme  
5 outward pivoted position of the frame.

~~25~~ 26. The frame as claimed in claim ~~22~~ 21, wherein at  
constant relative angular speed of the sub-frames the speed of  
the pole along the pole path increases from the starting  
position to the end position.

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~~26~~ 27. The frame as claimed in claim ~~22~~ 21, wherein a  
frame is a member of the family in accordance with one of the  
configurations from the table below, in which the first number  
designates the number of rods, p1 designates the number of  
5 connections with one degree of freedom, p2 designates the  
number of connections with two degrees of freedom and #  
designates the presence of a well-defined pole path and  
therewith the suitability for a sporting device with foot  
bending:

10	Family/member	Figure	p1	p2	suitable
	2 / 1	8	0	2	#
	3 / 1	9	2	1	
	3 / 2	10	1	1	
15	3 / 3	11	0	1	
	4 / 1	12	4	0	#
	4 / 2	13	4	0	#
	4 / 3	14	3	2	#
	4 / 4	15	2	4	#
20	4 / 5	16	1	6	#
	4 / 6	17	0	8	#
	5 / 1	18	5	1	#
	5 / 2	19	4	3	#
	5 / 3	20	3	5	#
25	5 / 4	21	2	7	#
	5 / 5	22	1	9	#
	5 / 6	23	0	11	#
	6 / 1	24	7	0	#
	6 / 2	25	6	2	#
30	6 / 3	26	5	4	#
	6 / 4	27	4	6	#
	6 / 5	28	3	8	#
	6 / 6	29	2	10	#
	6 / 7	30	1	12	#
35	6 / 8	31	0	14	# (.)

~~28~~<sup>27</sup>. The frame as claimed in claim ~~27~~<sup>26</sup>, wherein the frame comprises between seven and ten pivot axes.